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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/714,273	11/14/2003	Tsung-Jung Kuo	PAT-1524	2035

7590 08/23/2005  
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EXAMINER

CAO, ALLEN T

ART UNIT PAPER NUMBER

2652

DATE MAILED: 08/23/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	<b>Application No.</b> 10/714,273	<b>Applicant(s)</b> KUO ET AL.	
	<b>Examiner</b> Allen T. Cao	<b>Art Unit</b> 2652	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 14 November 2003.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-12 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1,2,4,7-10 and 12 is/are rejected.
- 7) ☒ Claim(s) 3,5,6 and 11 is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 14 November 2003 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \* c) ☒ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)  | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                   | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____  |

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1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claims 1, 4, 7-10 and 12 are rejected under 35 U.S.C. 102(b) as being anticipated by Ichikawa et al (US. 6,385,155 B1).

Ichikawa et al discloses an optical player having a carrier 20 including a side edge (figures 1 and 3) and an accommodation space provided along the side edge (figures 1 and 3 show that the side edge having a recess portion); and a deceleration device (loading/unloading device) 50 that is coupled to the accommodation space, the deceleration device comprises a module case body 61 that is formed one piece; and a plurality of gears (75, 73a, etc...; figures 1 and 3), all of which are permanently attached to the module case body (after parts/gears attached to the module case process, its inherently are permanently attached to the module case), all as set forth in Applicant's claims language of claims 1 and 12 (see also column 5, lines 9-17; 37-57, etc...).

Regarding claim 4, Ichikawa et al discloses a motor 70 coupled to the module case body.

Regarding claims 7 and 10, Ichikawa et al discloses that the carrier 20 has a vertical plate (side plate of the carrier 20) positioned in the accommodation space, and a bottom plate (base plate of the carrier 20) extending perpendicular from the vertical plate.

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Regarding claim 8, Ichikawa et al inherently discloses means for hooking the module case body to the carrier (inherently because the module case body 61 is attached/hooked to the carrier 20; see also figures 1 and 3).

Regarding claim 9, Ichikawa et al also inherently discloses means for removably coupling the module case body to the carrier (inherently because the module case body 61 can be detached from the carrier 20; figure 1).

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claim 2 is rejected under 35 U.S.C. 103(a) as being unpatentable over Ichikawa et al in view of Nagasaka et al (US. 6,584,063 B1).

Regarding claim 2, Ichikawa et al does not disclose a gear box that is permanently connected to the module case body.

Nagasaka et al discloses a disc loading/unloading having a gear box 25 (a gear box defines as a container for containing gears) contains gears (figure 2).

It would have been obvious to one of ordinary skill in the art at the time the invention was made to provide the apparatus of Ichikawa et al with such gear box as set forth, supra as taught by Nagasaka et al to secure the gears in the box in order to protect the gears contacting other parts in the apparatus, thus reduce damage might occurred within parts.

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5. Claims 3, 5-6 and 11 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

6. The following is a statement of reasons for the indication of allowable subject matter:

a) The prior art of record neither discloses nor suggests an optical disk player as set forth in claim 2 and with additional limitations such that the gear box has a chamber formed inside, and a side opening facing sideways to the module case body, with one of the plurality of gears retained inside the chamber as recited in claim 3.

b) The prior art of record neither discloses nor suggests an optical disk player as set forth in claim 2 and with additional limitations such that the plurality of gears, the gearbox and the module case body are formed in one piece, as recited in claim 11.

c) The prior art of record neither discloses nor suggests an optical disk player as set forth in claim 2 and with additional limitations of the gears structural relationship as claimed in claim 6.

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Allen T. Cao whose telephone number is (571) 272-7569. The examiner can normally be reached on Mon - Thurs (7:30 - 6:00).

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Hoa T. Nguyen can be reached on (571) 272-7579. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Allen Cao  
Primary Examiner

AC  
August 22, 2005